MOUNTAIN AGRICULTURE

Conducted by Mr. Robert F. Spence, Farm Demonstrator and Special Investigator

LET US KEEP ON SERVING

Don't let us make the mistake of disorganizing the county war boards, it is unfortunate that the district draft boards have been disbanded, although they certainly have earned a rest. However, State Councils of Defense are crumbling family, and the county war committees must rally to the call of the nation as never before.

America has certainly a large and disagreeable task to perform. Now that the excitement of war has died away we must realize that America must justify itself in all its democratic claims. We must just as cheerfully do the drudgery and pay the bills without stress of urging as we would were the Huns clamoring

at our gates. It is so natural and easy to duck our responsibilities. The only way up on cold days. we can redeem our promise to pay his full share.

the supreme sacrifice; have given ercise. up their business, their pleasures.

taxation. The government has spent should be fed in it in order to inall of the money raised in its four duce exercise. liberty loans and still we are spending billions.

A DAIRY RECORD

Dollie's Valentine, 105049, was a registered Jersey cow that was purchased by the Kentucky Experiment Station in 1896. She looked to the authorities there like a real producer and a useful sort of cow. She was milked carefully and fed well, and produced in one year 10,218 pounds of milk and 676 pounds of butter. She was a prolific cow that had a calf every year, giving birth to thirteen calves before she died in 1910. Like a great many motherly cows she passed the regular breeding habit on to her offsprings. One daughter had ten calves, another daughter eleven and a third daughter had an even dozen calves. As a consequence of this prolific nature her descendants today dominate in the Station herd. Daughters, granddaughters, and great granddaughters of the old cow are in the herd. Best of all she handed on the ability to produce great quantities of milk and butter, because her daughters and granddaughters are all making regpounds of butter in a year.

best, offsprings from that founda- up like loam or clay soils, tion stock. The herd at the Station has rapidly increased in production SELECT HENS FOR BREEDERS as the best offsprings of Dollie are mated with fine bulls year after year. This is an excellent illustration of constructive breeding, a subject that will be fully discussed at Farmers' Week at the University of Kentucky, January 28 to 31, and this useful family of cows will be exhibited and the methods of breeding, feeding and caring for them will be fully explained.

RHODE ISLAND RED

County Agent Spence, Berea, Ky. would like to have a letter from each of the Rhode Island Red breeders of Madison and Rockcastle counties. In this letter he would like for each breeder to state the number of Reds and whether or not they will have eggs, for sale.

There is going to be a great demand for pure bred Rhode Island Red eggs this year. Where eggs are purchased for hatching purposes the tlock should be graded. County Agent Spence will have a specialist dather firsts dather to come and grade the flocks if he is notified of each flock where eggs are to be sold or even kept at home for hatching purposes.

We hope that each Rhode Island ited breeder will write to County Agent Spence at once so he can inform the public just how many eggs

we can expect to have for sale, County Agent Spence's idea is to Herea soon for the purpose of discussing the plan of marketing the "Red" eggs, and getting the closer co-operation of the breeders. Calls \$17.50, good choice packers and butchare coming to County Agent's office ers \$17.50, stags \$10@12, common to County Agent right away.

KEEPING THE HENS BUSY

Exercise is one of the most important requisites to winter eggs. this respect, they are of the same trait as the members of the human

But if you can get the hens to working, circulation will be started, appetites will be improved, they will eat more, they will get their organs to functioning and that will event. 2nd Door. Berea's Foundation School ually result in eggs, if they have a balanced egg ration,

The facilities at hand have everything to do with this. Good clean cannot be blamed for standing around with their backs hunched

One of the most successful ways is to organize each community the to both feed and exercise hens, a same as for war, and make it im- plan that is economical for the possible through the force of public farmer to follow, is to throw in a opinion for any man to escape doing few forkfuls of oats just at it was stacked. It is a good plan to save It seems scarcely necessary for us some at threshing time for this purto express our gratitude to our pose. The hens will harvest their mutilated and sick. They have made to the fact that they are getting ex-

Out straw is the best kind of their homes, and their very lives for litter for the poultry and it is the cheapest. When kept dry and clean, There are many bills which we it will be the best means of exercismust pay which cannot be done by ing the winter layers. All grain

Another plan to keep the hens busy, is to suspend a small head of cabbage on a cord so that it is about level with the hens' heads. In pickback and forth and the hens will get some exercise in eating it. Some people hang it higher so that the hens will have to jump, but I have never been able to see any particular advantage in that plan. There s such a thing as giving the hens the wrong kind of exercise. Turnips, or other roots attached to nails along the walls of the poultry house can be used to carry out the same

Another means of exercising that is very good is the use of patented poultry feeders. These appliances contain the grain mixture and are so arranged that the hens feed themselves by picking t a handful of grain exposed in a wire cup. Every time the cup is picked at it releases some grain which falls into the litter. Thus the hens are kept busy getting their grain and then in scratching it out of the litter.

Where dirt scratching sheds can ister of merit records that vary be attached to the poultry house from seven to eight thousand pounds for use of the flock in winter, they of milk and from four to six hundred will do much to keep the hens contented and busy. The dirt in these Dollie is a fine example of a good sheds should be loose and easily cow that founded a very useful worked. Sand or ashes may be mixfamily. It pays to start with good, ed with the soil to make this possifoundation stock in any breed and ble. If kept in this manner it can then to keep the best, and only the be used all winter without freezing

Choose Individuals That Are Layers and Meet Standard Requirements as Far as Possible.

In selecting for egg production include in the breeding pen hens that laid in November, December and January. Choose individuals having con stitutional vigor and meeting standard requirements so far as possible.

CINCIPINATI MARKETS.

Hay and Grain.

Corn. No. 2 white \$1.5541.58 No. 3 white \$1.5641.57, No. 2 yellow \$1.59 @1.61, No. 3 yellow \$1.57541.59, No. 2 mixed \$1.5d; U.S. No. 3 mixed \$1.54 @ 1.56, white our \$1.52@1.55, yellow our \$1.62% 1.65, m/xed our \$1.600% 1.62. Sound Has -Timothy, per ton, radge of from \$20 year. Sound clover niced \$27 9 Ft. and sound clover \$24,50%

Onts No. 2 white 76½ 077c, sundard white 7647615c, No. 3 white 75½ 976c, mixed 71075c, No. 3 mixed 73 074c.

Butter, Eggs and Poultry.

Butter-Whole milk creamery extrus 71c, centralized creamery extrus Eggs-Prime firsts 55c, firsts 54c,

ordinary firsts 50c. Live Poultry-Springers under 4 lbs, 20c; fowls, 5 lbs and over, 30c; do 31/2 lbs and over, 28e; roosters, 20c.

\$13,50@15, good to hoice \$11.50@13.50, commo helfers, extra \$11.50@13.50, get all "Red" breeders to meet in fair \$7@9.50, cows, extra \$9.50@10.50. Calves-Extra \$17.50@18, fair to good \$15@17.50, common and large 86@14.

Hogs Selected heavy now for eggs. Let's all write our choice heavy fat sows \$12@16, light county Agent right away.

SIX DOORS

FOR ASPIRING YOUNG PEOPLE

the hens are not forced to exercise they will seldom indulge. In 1st Door-Berea's Vocational Schools

Training that adds to your money-earning power, combined with

FOR YOUNG MEN-Agriculture, Carpentry, Bricklaying, Print-

ing, Commerce and Telegraphy.

FOR YOUNG LADIES — Home Science, Dressmaking, Cooking. Nursing, Stenography and Typewriting.

General Education for those not far advanced, combined with some vocational training. No matter what your present advancement, we can put you with others like yourself and give chance for most rapid improvement.

litter is necessary. If the hens have to work in damp, musty litter they 3rd Door-Berea's English Academy Course

For those who are not expecting to teach and who are not going thru College and desire more general education. It also gives the best general education for those who wish a good start in study and expect to carry it on by themselves.

Door—Berea's Normal School

This gives the best training for those who expect to teach Courses are so arranged that young people can teach through the summer and fall and attend school through the winter and spring, thus earning money to keep right on in their courses of study. Read Dinsmore's great book, "How to Teach a District School."

heroes who have given their lives own grain and the way they tear up and to those who are coming back the straw bears eloquent testimony 5th Door-Berea's Preparatory Academy Course This is the straight road to College-best training in Mathematics, Science, Languages, History and all preparatory subjects. The Academy is now Berea's largest department.

6th Door—Berea College

This is the crown of the whole Institution, and provides standard courses in all advanced subjects.

A Temporary Raise in Board is forced by war conditions. For twenty-five years the board has remained the same in Berea, but the unusual situation in which the whole country finds itself now makes

it impossible for us to live on the same money as we have in the past This adds \$15.60 to the former expenses of the girls and \$24.60 to the expenses of the boys, for the year, but still leaves the cost half that ing at it, the cabbage will swing at other schools and "cheaper than staying at home."

> PAYMENT MUST BE IN ADVANCE, incidental fee and room rent by the term, board by the half term. Installments are as follows:

WINTER TERM Expenses for Boys VOCATIONAL AND FOUNDATION SCHOOLS ACADEMY Incidental Fee \$ 5.00 8 6.00 ₽ 7.00 7.00 Room 7.00 7.00 Board, 6 weeks 13.50 13.50 13.50 Amount due Jan. 1, 1919..... 25.50 26.50 27.50 Board, 6 weeks, due Feb. 5... 13.50 13.50 41.00 40.00 Expenses for Girls 8 6.00

Total for Term '39.00 Incidental Fee \$ 5.00 Room 7.00 7.00 7.00 12.00 Board, 6 weeks 12.00 12.00 Amount due Jan. 1, 1919..... 24.00 26.00 Board, 6 weeks, due Feb. 5... 12.00 12.00 12.00 Total for Term '36.00 37.00

' This does not include the dollar deposit nor money for books or

Special Expenses in Addition	to Incident	al Foo-Busi	B008
	Fall	Winter	Sprin
Stenography and Typewriting	814.00	\$12.00	\$10.0
Bookkeeping (brief course)	14.00	12.00	10.0
Bookkeeping (regular course)	7.00	6.00	5.0
Business course for students in other departments:			
Stenography	10.50	9.00	7.5
Typewriting, with one hour's use of instrument	7.00	6.00	5.0
Com. Law., Com. Geog., Com. Arith., or Penmanship, each	2.10	1.80	1.5

In no case will special Business Fees exceed \$15.00 per term

All students do some work with their flands from six to sixteen hours a week as janitors or in the farm, carpenter shop, printing office, laundry, boarding hall, office, etc., and receive pay which reduces their expenses.

Any able-hodied young man or young woman can get an education at Berea if there is the will to do so.

If it is impossible for any young man or young woman to be in school the full year, by all means they should enter for a course during the winter and spring terms.

The public schools will close about Christmas and the teachers and advanced pupils should not be idle through the long winter months but should be studying in Berea where the hest education can be gotten for least money.

Applicants must bring or send a testimonial showing that they are above 15 years old, in good health and of good character. This may be signed by some former Berea student in good standing or some reliable teacher or neighbor. The use of tobacco is strictly forbidden.

For information or friendly advice write to the Secretary,

MARSHALL E. VAUGHN, Berea, Ky.

BOYS' RESERVE ENROLLMENT WEEK

Uncle Sam's boys between the ages of 16 and 21 all over the Nation are to be summened to world-wide relief work during the week of Jan-Cattle Shippers \$139 16.75, butcher ever produced in the United States, titled to wear the official uniform; President Wilson has called for by working seventy-five days or

> Kentucky declare there will be a rewards of faithful service. shortage of farm labor this year. Federal county directors in the This shortage can be met in a very State are in charge of the enrolllarge way by the boys and the U. S. ment week.

vestigators.

Department of Labor has chosen the Reserve for the work. Last year several thousand boys in Kentucky were enlisted through the Reserve and gave splendid service.

All boys between the ages of 16 pary 20 to 26. Volunteers are need- and 21 are entitled to be enrolled. ed on the farms to help plant, tend By working thirty-six days they will and harvest the greatest food crop receive a bronze badge and be enenormous supplies for the hungry more they will receive a service bar. people of Europe upon the report of Boys who work on the farms of Herbert Hoover and his staff of in- their parents or neighbors are entitled to enroll as well as boys in the Military and civic authorities in cities and towns and receive the

HOME DEPARTMENT

Conducted by Miss Margaret Dizney, Director of Home Science

FOOD FOR INFLUENZA PATIENTS, itself is welcome.

carrying out his directions,

is one of the best things possible for to stimulate the appetite. hose who like it. Meat broths, sours. and soft custards are good. During their mouths will appreciate acid this time the patient may have fruits, apples baked or made into orange juice and lemonade but not sauce, stewed peaches, apricots, etc. solid fruits like raw apples, etc.

To get the most nourishment from or beef, should be cut in small eggs are hard to digest and should pieces, the bones cracked and all be avoided. covered with cold water to which a small amount of salt has been addand cooked at a low temperature. for several hours. A little onion or eggs into the water, and let them recelery salt may be added to this if main over the fire for a few seconds, a variety of seasoning is desired. Cover the stewpan and place it Pour off the broth and if very fat. where the water will not lose too ecol, remove the fat and reheat the much heat, but where it will not broth before serving.

Soft Custard

Beat two eggs enough to blend the yolk and white; add four tablespoons be placed in cold water and brought of sugar, a speck of salt, two cups of milk, and flavor with nutmeg. Cook in a double boiler, stirring constantly, until the custard coats minutes longer for a "hard-hoiled" the spoon. If the custard is cooked egg. too long, it will curdle. It must be removed from the fire as soon as it begins to thicken and poured into a and yolks are blended; add one-half cool dish. Serve cold.

Soft custards are very nourishrequired in the making of these to and heat until the butter is melted. attractiveness. If only slightly sepcrated it may be made smooth again beater.

Potato Soup

Potato soup is relished by some patients and may be used if the doctor permits. As it contains so quite nourishing.

Cook three potatoes in boiling salted water; when soft rub through them into the water. Let them rehalf cups of potato. Scald one quart desired. Lift them out carefully Add the potato. Remove onion, tered toast, Melt two tablespoons butter and add two tablespoons flour, and mix thorcoughly. Add a speck of pepper Stir into the soup. Boil three minhopped parsley, and serve,

Those patients who have been will be well retained. Sometimes keeps all the joices in the meat. little very cold sweet orange juice | Rare done steak is tenderer an will serve to start digestion. Some- more easily digested than well done times grape juice temonade made by but it is quite possible to cook good adding grape juice to a not too beef thoroly in this way and still sweet lemonade served very cold have it tender and juicy. The meat and taken a few tablespoonfuls at must be removed from the fire as time will set when neither the soon as done. lemonade nor the grape juice by

The advice of the doctor should As the patient's temperature bealways be asked and followed re- comes normal they should have garding the patients' food but as his plenty of nourishing food to repair advice is often general perhaps the the waste of the disease. Broiled following hints may be helpful in steak, stewed chicken and beef served with the broth, soft cooked eggs, During the period when liquid etc. Vegetables and fruits are valdiet is needed, fresh buttermilk uable for their laxative effects and

Patients left with a bad taste in

Eggs cooked at low temperature are much more easily digested than he broth the fresh meats, chicken those cooked in higher heat. Fried

Boiled Eggs

Pour boiling water into a stewpan ed. This should be heated slowly and place it over the fire and make sure that it is actually boiling. Put boil, for six to eight minutes for "soft-boiled eggs," or 20 to 30 minutes for "hard boiled." Or eggs may to the boiling point. When the water boils, the eggs are "sof-boiled." They may be boiled for five

Scrambled Eggs

Beat six eggs slightly, until whites tup of milk or water, and one-fourth teaspoon of sait. Put two tableing and generally relished. Cate is spoons of butter into the omelet pan, prevent curdling which injures the Torn in the egg mixture, and cook at a low temperature untillcreamy. scraping the cooked portions from by beating briskly with the egg the side if the pan so the uncooked part will reach the bottom. Remove from the pan and serve immediately.

Poached Eggs

Have a frying pan half full of large a proportion of milk it is also boiling water, add one-half teaspoon of salt. Break the eggs, one at a time, into a cup, and carefully slip a sieve, and use about two and a main in the water until cooked as of milk with two slices of onion. With a skimmer, and serve on but-

TO BROIL STEAK

Select tender meat, pound it, and utes, sprinkle with one tablespoon make little cuts along the edges Heat the frying pan smoking hot, wipe over with suct, put in the obliged to abstain from food for steak, sear quickly on one side, then some time on account of nausea will on the other, and turn often enough do well to begin with very small to prevent burning until it is done. quantities taken frequently. Some Remove to a hot plate and season times a little crisp toast chewed with salt and butter. If the pan is thoroughly and swallowed by itself hot enough this method of cooking

Jessie S. Moore

WHEATLESS RATIONS TO FATTEN POULTRY

ing Rapid Gains.

Commercial Feeders Will Find Tests Made by Specialists of Agricultural Department Economical for Producing Flesh.

(Prepared by the United States Department of Agriculture.)

Wheatless rations for commercial or coop fleshing of young chickens for market offers to commercial feeders singularly efficient and economical rations for rapid gains ip weight. In tests conducted by specialists of the United States department of agriculture a ration composed of cornmeal and fresh buttermilk, fed again and again throughout the whole feeding season, produced in 14 days' coop feeding an average gain of a pound for every 8.88 pounds of wet feed consumed. Still better results were obtained with dist s' grains. In the tests the highest and cheapest gains were made by birds having an initial

weight of two pounds or less. The tests were made under commercial rather than farm methods of poultry feeding. The aim of the commercial feeder is to increase the flesh of young birds rapidly and economically in a brief period after they are received from the farms, and this necessitates the use of coops, which allow the chickens little exercise and regular and abundant feeding under clean conditions. It calls for special equipment and for use of time and employment of labor to a degree not possible on

most farms. Three rations were used in the ex

periments. Rations A, consisting or 100 pounds of cornmeal and 127 pounds of water, after a two weeks' feeding period, gave a gain of 5 per cent of the initial weight. Ration B, consisting of 100 pounds of cornmeal and 150 pounds of fresh buttermilk, after a Efficient Combinations for Mak- feeding period of the same length, gave a gain of 30.41 per cent of the initial weight. Ration C, consisting of 75 pounds of cornment, 25 pounds dried distiffers' grain (corn) and 150 pounds fresh buttermilk, gave during this coedtog period a gain of 35.1 per cent of the initial weight. The amount of wet feed required to produce a gain of one pound of flesh in 14 days was as follows:

Ration A 43.91 pounds (Grain 19.54 pounds) Ration B \$.55 pounds (Grain 3.55 pounds) Ration C 7.91 pounds (Grain 3.16 pounds) With ration C the gain was practically uniform, while the rate of gain with ration B decreased slightly toward the end of the feeding period, and the

gain made by the chickens fed on ra-

tion A was irregular. It was found that if every 20,000pound carload of broilers slaughtered as they come from the farm are fed for two weeks on rution C the gain in weight to the packer would average 6,867 pounds. The gain in edible ment would amount to 4,064 pounds, of which approximately 608 pounds are

protein and 1,561 are fat. Ration C, which gave the best results, was for the production of poultry flesh food only, and the same results would not be obtained if fed to birds when unconfined; hence the deluctions drawn on the basis of the experiment reported must not be applied to birds intended for egg production or for breeding stock, or to the feeding of birds ranging on the farm.

Uses for Sweet Potatoes Sweet potatoes are not only value ble as human food, but may also be used for stock.